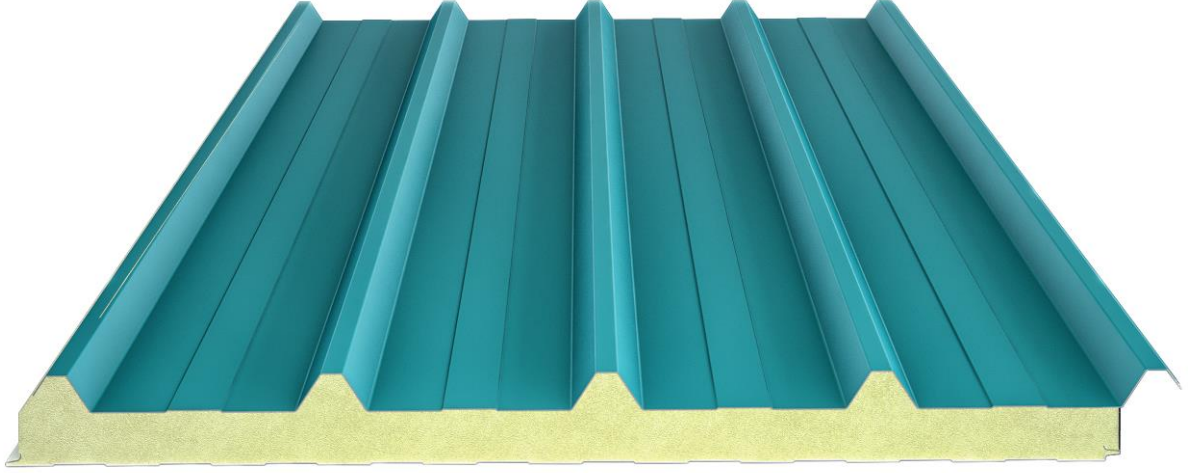


Opti Panel LP PIR N5 Roof Panel



Product Information

Opti Panel LP PIR N5 Roof panel is a five ribs profiled roof panel. Its biggest advantage is that it enables quick installation thanks to the side overlap panel connection.

Production Plant

İstanbul, İskenderun ve Balıkesir

Product Application

- Industrial Buildings
 - Military Buildings
 - Public Buildings
 - Agricultural Buildings
 - Sports Facilities
 - Construction Site Buildings
 - Silos
 - Hypermarkets
 - Shopping Centers
 - Storehouse Halls
 - Administrative Buildings
- and all other concrete structures with steel or prefabricated load bearing systems.

Performance Advantages

Good heat insulation values.

It has 5 ribs.

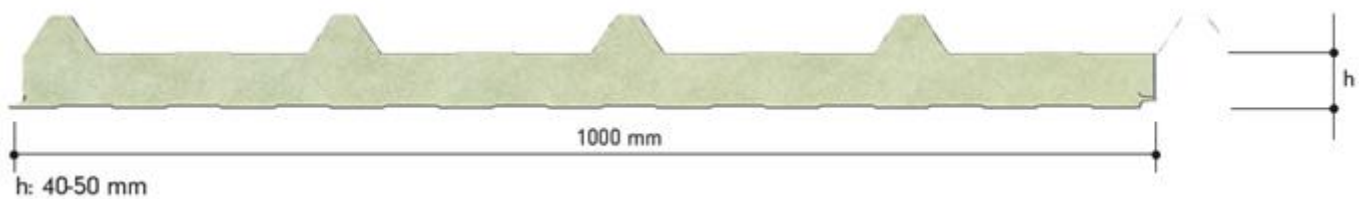
Fast and problem-free assembly saves both time and labor.

Polyurethane does not keep water within its body and it does not accommodate bacteria and insects.

Thanks to n-Pentane which is used to inflate the Polyurethane, no damage is caused to nature.

The colorful surface does not require additional coating like plaster or paint.

Measurements



Favorable Width	1000 mm
Minimum Height	3 meter
Maximum Height	Depends on the transport conditions.

Polyisocyanurate (PIR)



Polyurethane Density (EN 1602)	38±2 kg/m ³
Polyurethane Density	40-50 mm
Thermal Conductivity (EN 13165)	0,022-0,024 W/mK
External Facing Thickness	0,60-0,35 mm
Internal Facing Thickness	0,50-0,30 mm
Steel Quality (EN 10327)	Dx51 D+Z Prepainted Galvanized Steel (last coat polyester paint on primer)

Thermal Conductivity Values

Thickness	Thermal Conductivity (W/m ² K)	Thermal Resistance (m ² K /W)	Thermal Resistance (ft ² °F h/Btu)
40 mm	0,575	1,739	9,875
50 mm	0,460	2,174	12,343

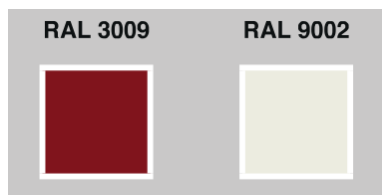
Mechanical Properties

Steel Surface Yield Strength	Min. 220 N /mm ² (BGS)
Panel Tensile Strength	Min. 0,018 Mpa
Compressive Strength of Core Material	Min. 0,095 Mpa

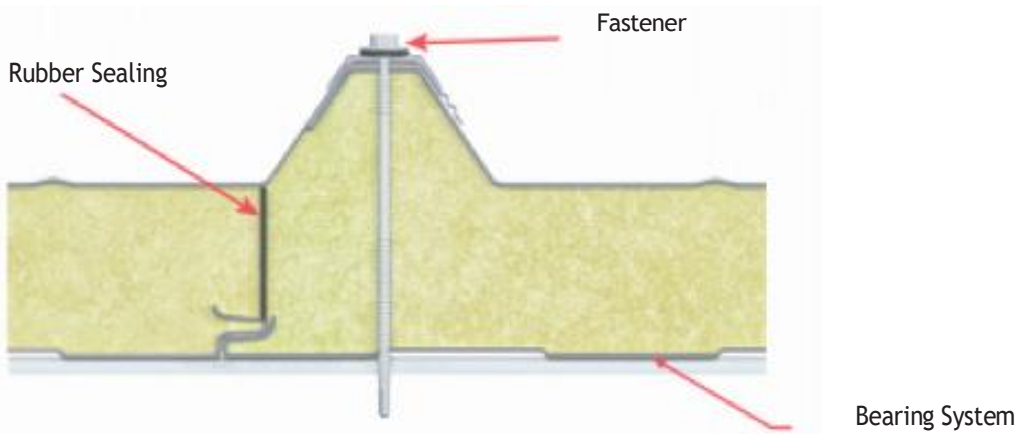
Tolerance Properties

Panel Length	Panel Thickness	Panel Cover Width
If L ≤ 3000 mm, -±5 mm; If L > 3000 mm, ±10 mm	D ≤ 100 mm ±2 mm	±2 mm for all profiles

Standard Colour Options



Joint Detail



Transportation and Protection of Sandwich Panel

